FIG.1

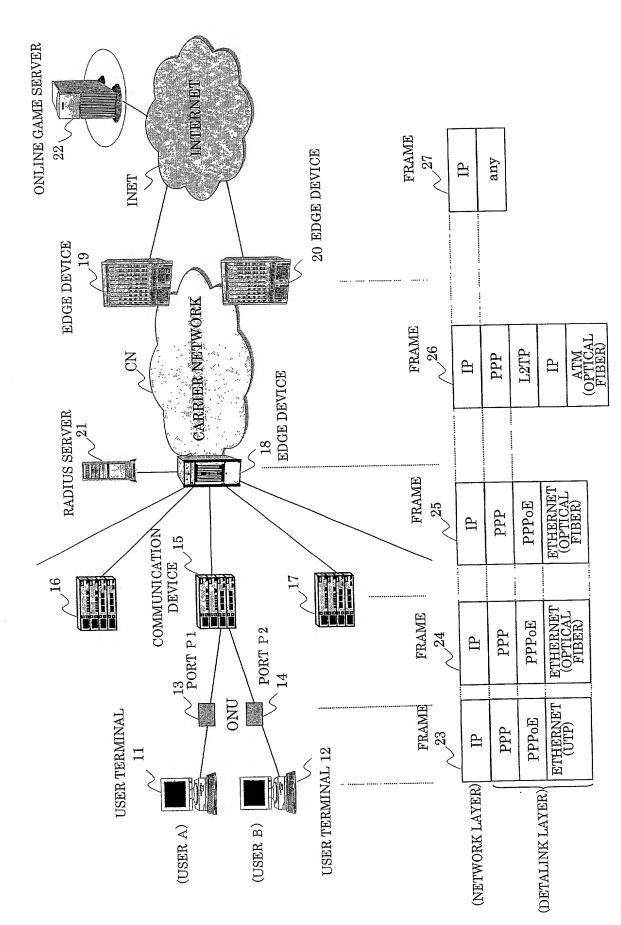
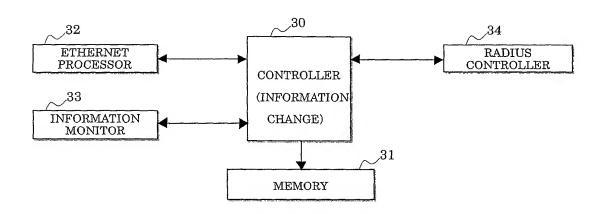


FIG.2



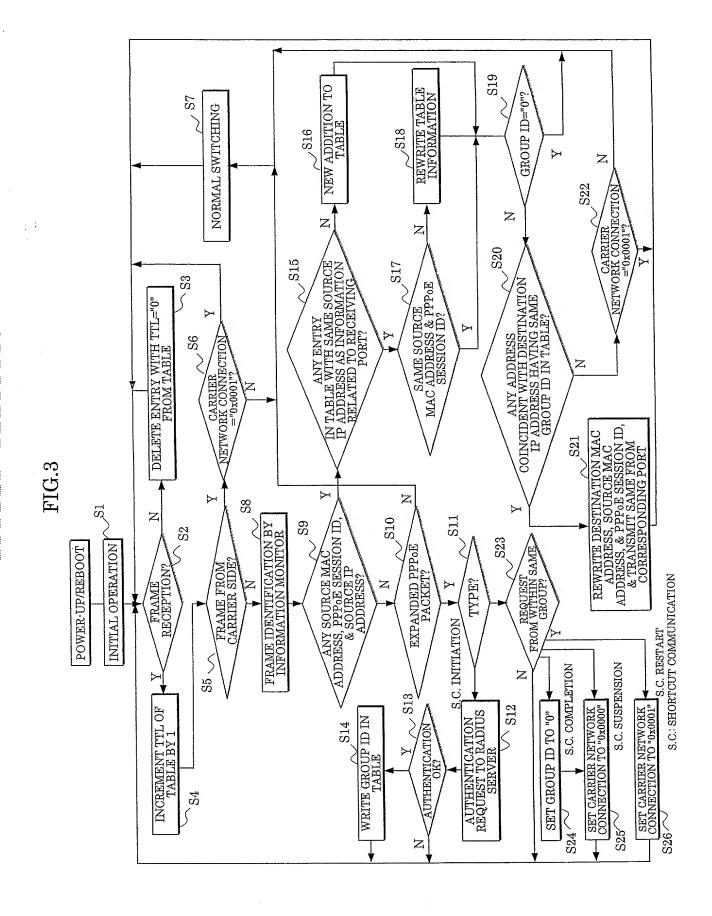


FIG.4

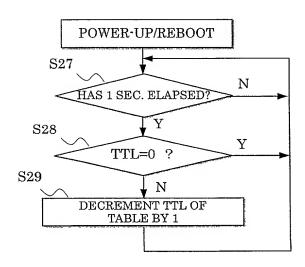


FIG.5

 \sim TBL

PORT	MAC ADDRESS	PPPoE SESSION ID	IP ADDRESS	GROUP ID	CARRIER NETWORK CONNECTION AVAILABILITY	TTL
P1	00:00:0E:11:22:xx	0x0001	112.116.5.xxx	0xFD376458	0x0001	0x0020
P2	00:00:0E:22:33:xx	0x0003	168.34.22.xxx	0xFD376458	0x0001	0x003E

FIG.6

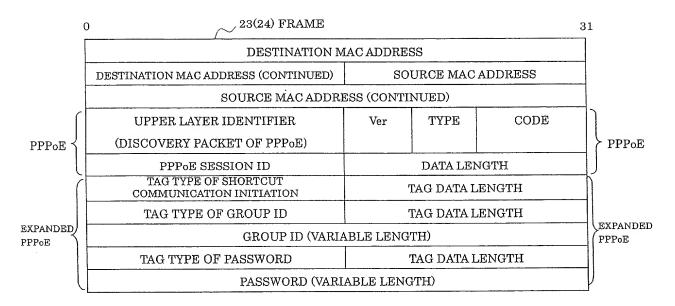


FIG.7

(0	~ 23(24) FRAME			ę	31	
	DESTINATION MAC ADDRESS						
DATALINK LAYER	DESTINATION MAC AD	SOURCE MAC ADDRESS			DATALINK		
	SOURCE MAC ADDRESS (CONTINUED)						
	UPPER LAYER IDENTIFIER		Ver	TYPE	TOS		
	(IP PAC						
	DATA LE		IDENTIFIER				
NETWORK LAYER	FLAG, FRAGMENT OFFSET				UPPER LAYER IDENTIFIER (UDP)	NETWORK LAYER	
	HEADER CHECKSUM		S	SOURCE IP ADDRESS			
	SOURCE IP ADDRESS (CONTINUED)		IP ADE	IP ADDRESS OF RADIUS SERVER			
	IP ADDRESS OF RADIUS SERVER (CONTINUED)		SOURCE PORT NUMBER			TRANSPORT	
	DESTINATION PORT NUMBER (RADIUS)		DATA LENGTH			J. I.A.I.B.R.	
TRANSPORT LAYER	UDP CHECKSUM		CC	DDE	IDENTIFIER	1)	
			(ACCESS REQUEST)				
	DATA LENGTH		AUTHENTICATION REQUEST			_	
	TYPE	DATA LENGTH	GROUP ID (VARIABLE LENGTH)				
	(USER NAME)		PASSWORD (VARIABLE LENGTH)		-	4	
	TYPE	DATA LENGTH			UPPER		
UPPER	(USER PASSWORD)				- I IMIBIC		
LAYER	TYPE DATA LENGTH (NAS-IP ADDRESS)		IP ADDRESS OF				
			COMMUNICATION DEVICE			4	
	IP ADDRESS OF COMP	Т	YPE	DATA LENGTH			
	(CONTI	(NAS PORT)			_		
(PORT OF COMMUNICATION DEVICE						

FIG.8

0	23(24) FRAME	31	L		
	DESTINATIONM				
	DESTINATION MAC ADDRESS (CONTINUED)	SO	URCE MAC	ADDRESS	
	SOURCE MACADDRE	ss (conti	NUED)		
	UPPER LAYER IDENTIFIER	Ver	TYPE	CODE	
PPPoE {	(PPP FRAME OF PPPoE)				> PPPoE
l	PPPSE SESSION 1D	LENGTH (DATA LENGTH)]]
(UPPER LAYER IDENTIFIER (1P)	Ver	TYPE	TOS	
EXPANDED PPPoE	DATA LENGTH	IDENTIFIER			EXPANDED
	FLAG, FRAGMENT OFFSET	TTL		UPPER LAYER IDENTIFIER	PPPoE
	HEADER CHECKSUM	SOURCE IP ADDRESS			
	SOURCE IP ADDRESS (CONTINUED)	DESTINATION IP ADDRESS			
	DESTINATION IP ADDRESS (CONTINUED)	(UPPER LAYER PROTOCOL)			

FIG.9

~	0 23(24) FRAME					
	DESTINATION MAC ADDRESS					
	DESTINATION MAC ADDRESS (CONTINUED) SOURCE MAC ADDRESS					
	SOURCE MAC ADDRESS (CONTINUED)					
	UPPER LAYER IDENTIFIER	Ver	TYPE	CODE		
PPPoE {	(DISCOVERY PACKET OF PPPoE)				PPPoE	
	PPP₀E SESSION ID	DATA LENGTH				
EXPANDED { PPPoE	TAG TYPE OF SHORTCUT COMMUNICATION COMPLETION		TAG DATA LENGTH			

FIG.10

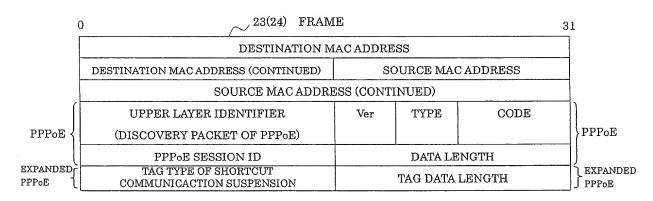


FIG.11

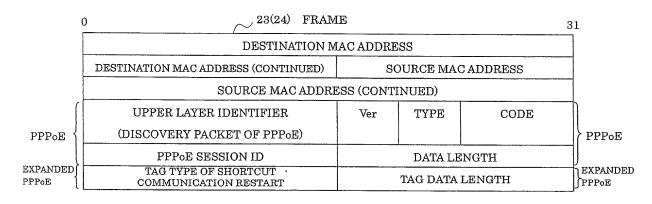


FIG.12

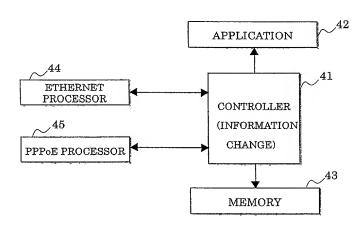
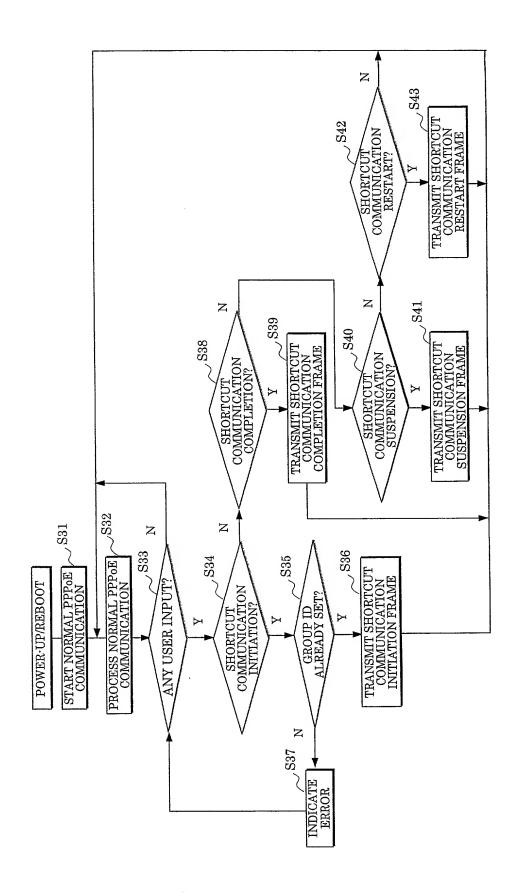


FIG.13



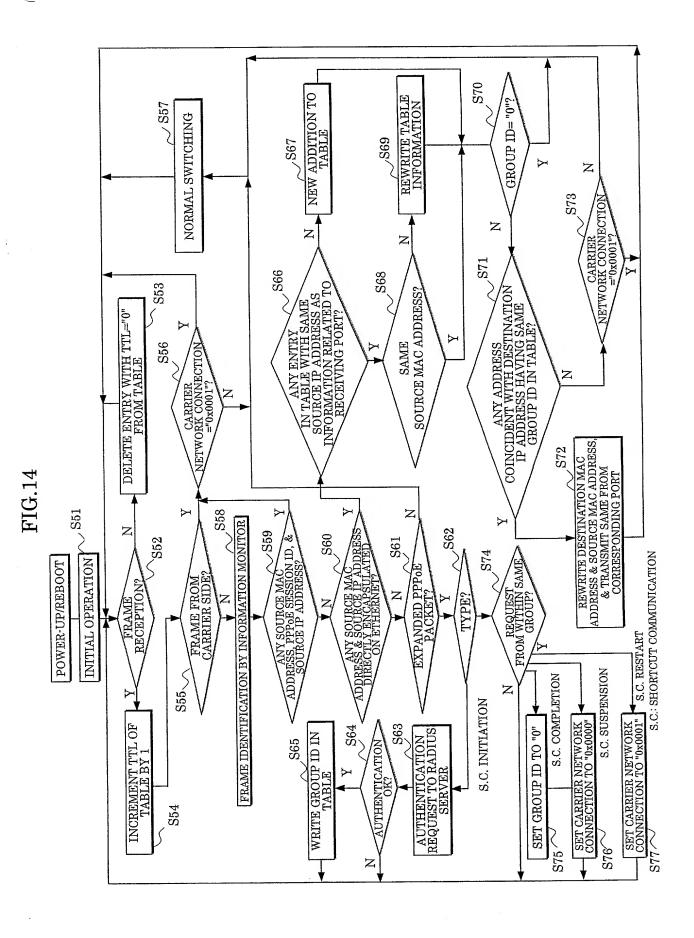


FIG.15

	0 ~ 23(24) FRA	ΜE		8	31		
	DESTINATION MAC ADDRESS						
	DESTINATION MACADDRESS (CONTINUED): SOURCE MACADDRESS						
	SOURCE MAC ADDRESS (CONTINUED):						
	UPPER LAYER IDENTIFIER	Ver	TYPE	TOS			
	(IP PACKET)						
ENCAPSU-	DATA LENGTH	IDENTIFIER			ENCAPSU-		
LATION BY ETHERNET	FLAG, FRAGMENT OFFSET	TTL		UPPER LAYER IDENTIFIER	LATION BY ETHERNET		
BIIIBMABI	HEADER CHECKSUM	SOURCE IP ADDRESS					
	SOURCE IP ADDRESS (CONTINUED)	DESTINATION IP ADDRESS					
-	DESTINATION IP ADDRESS (CONTINUED)	(UP)	(UPPER LAYER PROTOCOL)				

